



# FERGUSON SLIDE

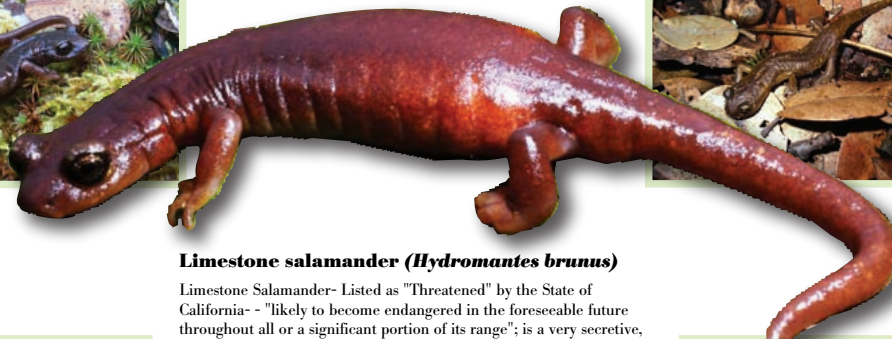
## Restoration Project



### Biology



Salamander images provided by Scott Reints of U.C. Berkeley

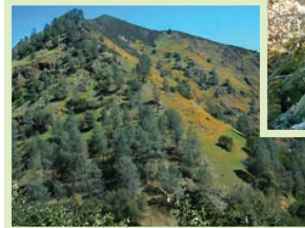


#### Limestone salamander (*Hydromantes brunus*)

Limestone Salamander- Listed as "Threatened" by the State of California - "likely to become endangered in the foreseeable future throughout all or a significant portion of its range"; is a very secretive, nocturnal (active at night) salamander that finds refuge during the dry seasons; surface activity is directly correlated with rainfall. Surveys to determine presence/absence must be conducted at night and during rain events of the winter/spring.



Habitat images provided by Scott Reints of U.C. Berkeley



Various *H. brunus* habitats

#### Merced clarkia

There are 4 different Clarkia species that could potentially be present in the project site. Two of these are common and two have special status. The Clarkia lingulata (*Merced clarkia*) is listed as "Endangered" by the State of California - "in serious danger of becoming extinct throughout all, or a significant portion, of its range due to one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, or disease." Surveys to determine the presence/absence of the Merced clarkia must be conducted when this annual plant is blooming to insure correct identification. This plant generally blooms May through July.



Image provided by James L. Reveal, Northern-Diurnal Herbaceous, University of Maryland



Image provided by Carrie Blackman of The Department of Transportation

#### Foothill Woodlands

Foothill woodlands are an important ecological community that provide food and shelter to many plants and animals and contribute to healthy ecosystems through soil development, erosion control, nutrient development, and sustaining air and water quality. Foothill woodlands at the project site are dominated by interior live oak, foothill pine, and *ceanothus*.